

19980405.qrp v01_n051.qrs.980405

Date: Sun, 5 Apr 1998 19:03:15 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1051

QRP-L Digest 1051

Topics covered in this issue include:

- 1) [7568] QRP ARCI FIDIM 98 QRP 4/98 UPDATE
by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
- 2) [7569] ScQRPion meeting and Hamfest at devry
by "Russell W. white" <ruswhite@netzone.com>
- 3) [7570] Dayton Hamvention Rooms
by Hank Kohl K8DD <k8dd@contesting.com>
- 4) [7571] Re: [7422] Re: WTB: Ant Tuner
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 5) [7572] CW sigs
by Roy Jackson <rjackson@iname.com>
- 6) [7573] Re: Radio Shack Speaker Mic
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 7) [7574] www rx schematic?
by Phil <k6ls@prolynx.com>
- 8) [7575] SECA Slar reports
by "Dan Hogan" <dhhogan@concentric.net>
- 9) [7576] Yeasu FT-847 Running QRP
by "Karl B. Staddon" <ve6kbs@AGT.NET>
- 10) [7577] Re: Radio Shack Speaker Mic
by Chuck and Michele Snyder <csnyder@nextdim.com>
- 11) [7578] century 21
by ac5ez@webtv.net (Larry B)
- 12) [7579] B&W folded dipole
by Vic Rosenthal <rakefet@rakefet.com>
- 13) [7580] Re: B&W folded dipole
by "George T. Baker" <w5yr@swbell.net>
- 14) [7581] Re: B&W folded dipole
by Ed Tanton <n4xy@att.net>
- 15) [7582] Re: 38S's spoken for
by ka7you@juno.com
- 16) [7583] It's that time of year again
by "Phil, K6LS" <k6ls@prolynx.com>
- 17) [7584] Re: It's that time of year again
by peacemkr <peacemkr@wcc.net>
- 18) [7585] Re: It's that time of year again
by "Phil, K6LS" <k6ls@prolynx.com>
- 19) [7586] Re: It's that time of year again

- by Paul Harden <pharden@aoc.nrao.edu>
- 20) [7587] Bullet Hole?
by "Steve Galchutt" <n0tu@webaccess.net>
- 21) [7588] Re: It's that time of year again
by Roger Hightower <n7kt@earthlink.net>
- 22) [7589] Re: It's that time of year again
by Bruce Rattray <rattray@gpfn.sk.ca>
- 23) [7590] Re: It's that time of year again
by Andy Fox <foxes@theriver.com>
- 24) [7591] Re: It's that time of year again
by Dave Sjolín <sjolin@swbell.net>
- 25) [7592] Re: It's that time of year again
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 26) [7593] contest hours
by ac5ez@webtv.net (Larry B)
- 27) [7594] Spring Antenna Projects
by "James R. Duffey" <ji3m@maxwell.com>
- 28) [7595] For Sale: Kenwood R-2000 RCVR
by Ed Tanton <n4xy@att.net>
- 29) [7596] Re: Bullet Hole?
by "Marshall Emm" <mgemm@mtechnologies.com>
- 30) [7597] B&W folded dipole -Resistor value
by K5BDZ <K5BDZ@aol.com>
- 31) [7598] Re: Spring Antenna Projects
by Mike Souhrada <wb9iog@revealed.net>
- 32) [7599] speaker mic from RS/short message
by RangerSF5 <RangerSF5@aol.com>

Date: Sat, 04 Apr 1998 18:03:01 -0600
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [7568] QRP ARCI FDIM 98 QRP 4/98 UPDATE
Message-ID: <3.0.32.19980404174837.00b7db20@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QST - QRP - APRIL 98 UPDATE - QST - QRP - APRIL 98 UPDATE - QST - QRP

"FOUR DAYS IN MAY" 98 QRP CONFERENCE - The Amateur Radio QRP Event of 1998

APRIL 1998 UPDATE

QRP Amateur Radio Club, International (QRP-ARCI) proudly announces the third annual "Four Days In May " QRP Conference commencing Thursday, May 14 1998 - the first day of four festive days of 1998 Dayton Hamvention

activities. Mark your calendar for this extra bonus day and register early for this not-to-be-missed QRP event of 1998.

Amateur Radio QRP presentations, workshops and demonstrations will be the focus of the full day Thursday QRP Symposium to be held at QRP ARCI headquarters - the Days Inn Dayton South. Last year, this sold-out event had a "standing room only" crowd of 125 enthusiastic attendees. FDIM QRP Symposium attendees will start their day with a wake-up coffee social and then plunge into a full day of multimedia QRP presentations by renowned QRP authors and designers. Some sampling of topics already on the slate are Antenna Feeders, PCB Alternatives, G3RJV Six-Pack, Coherent CW, Beyond the NE-602, QRP PIC Designs, and more. Culminating this first day, will be an evening QRP ARCI Author Social for folks to meet the QRP presenters. All are invited. The QRP ARCI "Four Days In May" 98 QRP Symposium will be the talk of the Dayton Hamvention.

UPDATE 1 (4/98) - reports from Cam KT3A are that pre-registration is over 100 enthusiastic QRPers by the end of March. To accommodate an anticipated record attendance this year we have secured additional seating in the QRP Symposium room to accommodate everyone comfortably. Please pre-register before May 7, since registration may be limited if. Check registration information below.

UPDATE 2 (4/98) - The 1998 FDIM QRP Symposium will have the best collection of talks from some of the greatest QRP Elmers. The following is a preliminary list of the speakers and their talks. You be the judge - is this not a great line up of some of the best QRP Elmers in the world?

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" A DOZEN WAYS TO SEE AND LOVE YOUR FEEDLINES" by L. B. Cebik, W4RNL

By organizing the ways in which we look at transmission lines, we can better understand them. Therefore, we shall look at them 1. with a tape measure, 2. with a protractor, 3. with a lost-power meter, 4. with an X-ray machine, 5. with a ruler and LCR meter, 6. with a thermometer, 7. with a field detector, 8. with an SWR meter, 9. without a Smith Chart, 10. with a calculator and a graph, 11. with pruning shears, and 12. with a trigonometer. In the end, we shall learn to love our feedlines.

L. B. Cebik, W4RNL, studies, designs, and builds antennas. He also studies and test antenna modeling software. He serves as Technical and Educational Advisor to ARRL, and as internet coordinator for 10-10 International. He writes for Low Down, QQ, Communications Quarterly, QEX, and other publications. A ham since 1954, he is also professor of philosophy at the University of Tennessee, Knoxville.

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"THE RAINBOW ANALYZER - A LOW-COST, AUTOMATED AND GRAPHICAL WAY TO DETERMINE ANTENNA PERFORMANCE" by George Heron, N2APB and Joe Everhart, N2CX

An exciting new project has been designed especially for the QRP community to construct an inexpensive microcontroller-based antenna analyzer. A PIC-controlled VFO is coupled with the popular Rainbow Tuner/Bridge (1997 NorCal Design Contest winner) to automatically sweep a micropower signal through the ham bands while collecting SWR readings of the connected antenna. The frequencies of lowest SWR are colorfully displayed on the handheld unit's LEDs, and graphically on a PC through an optional serial connection. There are many configurable aspects to the Analyzer -- one of particular interest to many is a fully documented and available source code for the software of both the microcontroller and the PC data collection/display program. The FIDM presentation will feature discussion of the design (rf, PIC, software) as well as live demonstration of the unit.

George Heron, N2APB is a Software developer/manager for over 20 years in the northeast, working at Kodak Research Labs, Edsun Labs and currently with Dialogic Corporation working on "computer telephony" products. A consummate homebrewer -- rf, digital, microcontrollers, and totally enthralled with QRP. Built many kits, repaired a long-dormant HW-8, got an HW-100 working QRP, and design interest is now on Coherent CW and DSP applications to ham radio. Webmaster for the NJ-QRP Club (<http://www.njqrp.org>). Currently live in Sparta, New Jersey with wife and five year old daughter, who constantly helps rearrange the radio shack!
E-mail: g.heron@dialogic.com.

Joe Everhart, N2CX is a Senior engineer for several companies in the commercial and military/aerospace communications field. Licensed as a ham back so far it's painful to think about. (Hint - built my first beer can vertical in 1962.) Professional experience includes digital and analog transmitters, receivers, modems, antennas, etc. from 150 Khz to 15 Ghz. These days involved in systems engineering for L-3 Communications. Ham-wise I love homebrewing, antennas and QRP and love writing about it all. Have designed a number of projects including the Rainbow Bridge and Tuner and a bunch of Joe's Quickies. Published lots of articles in 73 Magazine and in many of the current QRP newsletters. Neither my wife nor my two sons will have anything to do with ham radio, though my dogs tolerate it well. Will design for fun! Available on-line at n2cx@voicenet.com.

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"ALTERNATIVES TO THE PRINTED CIRCUIT BOARD" by Dick Pascoe G0BPS.

With this paper I intend to show prospective builders that a PCB is not a

re-requisit of a finished product. There are many ways to build circuits and I intend to show a few of these. From the simple Dead Bug style to the W1FB favourite, the 'Blob Board' all will be explored. We will look at the above, but also Bread Boards, Tag boards, Pad boards, Hammer and nail boards and many others.

Dick Pascoe G0BPS is actively involved in QRP in the UK, both through the G-QRP journal SPRAT as their SSB columnist but also, since 1990 as a monthly QRP Columnist in the British Journal 'Ham Radio Today'. His book 'Introducing QRP' has been acclaimed by Rob Mannion G3XFD (the editor of the UK's 'Practical Wireless Magazine') as "This book will become a QRP classic". Dick is also the sole member of the UK's Kanga Products, QRP kit company. Dick promotes the G-QRP club at various events throughout Europe especially at the Freiderichshafen hamfest amongst the various British ones he attends. He is the QRP ARCI DX membership contact, and has been so since 1990. Dick was inducted into the QRP ARCI Hall of Fame in 1997.

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"MODERN COMPONENTS FOR HOMEBREW DESIGN AND CONSTRUCTION" or "OH, NO! - NOT ANOTHER NE602/LM386 PROJECT!" by Gary Breed, K9AY

This talk will present some alternatives to the 'old standby' components typically used in QRP projects. Some of these parts offer improved performance, some have unique functions, while others just add variety! Components have been selected from the worlds of digital, cellular, consumer and power electronics. If you're ready to explore new ways to build your next gadget, you'll find something here!

Gary Breed, K9AY has published receiver, transceiver and antenna articles in QST and the ARRL Antenna Compendium. His amateur radio hobby includes three main activities: equipment design and construction (QRP to QRO), antenna development, and some fairly serious contesting (also QRP to QRO). Gary is President of Noble Publishing, publishers of technical books and Applied Microwave & Wireless magazine. QTH- Grayson, Georgia

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THE G3RJV SIX-PACK by George Dobbs G3RJV

This presentation will educate everyone on six circuits and send every attendee away with something to build. The basic material is a printed circuit board, which each attendee will receive. The board contains 6 projects and is grooved so each circuit will snap off. Each project is a "one nighter" which can be built by anyone who has a soldering iron and each is useful in its own right. The projects are as follows

1. A Plug and Play Transmitter
2. The Quick Receiver
3. An Instant SWR Meter
4. A Diode Probe
5. An LED Voltage Monitor
6. A Crystal Checker

George Dobbs G3RJV is a world renowned QRPer and a member of the QRP Hall of Fame. He is an avid builder and author. Founder of the G-QRP Club, he also serves as editor of their excellent magazine, SPRAT. He is a regular contributor to Radcom and Practical Wireless.

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COHERENT CW -- "THE MORE YOU KNOW ABOUT A SIGNAL, THE EASIER IT IS TO COPY"
by Peter Eaton WB9FLW and George Heron N2APB

Coherent CW is a communications mode relying on precise code timing and frequency stability to provide more than 20db improvement in signal reception ... the ultimate QRPp operation! Invented by Ray Petit W7GHM, CCW has been around for more than 25 years and has been promoted since then by such notables as Woody Woodson W6NEY, Ade Weiss W0RSP, Peter Lamb W3IRM and Bill De Carle VE3IQ. Our presentation will focus on the lighter side of how this technology evolved over the years, borrowing on anecdotal recountings, recordings of on-the-air signal reception, and from audio tapes of some of these famous pioneers. The current state-of-the-art will be overviewed (use of PC and DSP technology), and a live demonstration will be given showing CCW in action. A "CCW Compendium" will be provided to augment the talk with much of the technical background and theory of operation. This is guaranteed to be a treasure-trove of a talk!

Peter Eaton WB9FLW is a member of the St. Louis QRP Club and one of the founding members of the Tucson Amateur Packet Radio Association (TAPR) and head cheerleader for the TAPR TNC-1 and TNC-2 terminal node controllers kits. (bio by N0EB - sorry for any misinterpretation since Pete's bio was not received by press time - hi)

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"THE HUNTING OF THE ELUSIVE QRP TINS" by Rex Harper, W1REX.

An in-depth talk on the research and discovery involved to find that "just right" elusive QRP Tin.

Rex Harper, W1REX, is Research & Development Manager at Chipco

International, a manufacturer of casino currency systems. He holds a BSEE from the University of Maine and has held various positions in new product design and development for 30 years. One of his more interesting positions was a 5-year stint as an electronic toy designer and he holds 5 patents on electronic games as a result. He still does part-time toy design and development. Rex was first licensed as the "no-code tech" N1SYZ in 1994, and currently holds an Advanced license. He is well known to his local club members for his club service, enthusiasm in designing and construction of QRP equipment, microcontroller projects, industrial-strength junk boxes and love of hamfests.

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The "Four Days in May" QRP extravaganza continues with the annual Friday night QRP ARCI Awards Banquet honoring QRP dignitaries for their service to the Amateur Radio community. QRP ARCI is proud to announce that this year's featured Banquet speaker will be Ade Weiss W0RSP, one of the pioneers of the QRP movement as we know it today. Following the Awards Banquet, a special evening has been set aside for the FDIQ QRP Vendor Social where prizes will be drawn. All are invited.

FDIM Saturday will be special this year with an evening social for QRPers to meet the many regional North American and International QRP Club members - bring your banners! Saturday culminates with the annual QRP building contest sponsored by the NorCal QRP club - highlighted this year will be awards for QRP rigs based on the venerable 2N2222 transistor in honor of the invention of the transistor. All are invited.

"FOUR DAYS IN MAY" 98 QRP CONFERENCE Frequently Asked Questions:

- QRP SYMPOSIUM PRESENTERS - Please submit your QRP technical manuscripts to FDIQ 98 Technical Paper Chairperson Ken Evans W4DU at 848 Valbrook Court, Lilburn, GA 30047 or Email: w4du@bellsouth.net FDIQ 98 QRP Symposium Proceedings will be available for sale during and after the Conference for folks who are not able to attend the Symposium.

UPDATE 3 (4/98) - Can't attend FDIQ? Well stay tuned for information on obtaining your personal copy of the FDIQ 98 QRP Symposium Proceedings. The Proceedings will be available for sale during and after FDIQ with a special price for QRP ARCI members.

- FDIQ QRP SYMPOSIUM REGISTRATION - Registration for the Thursday, May 14, 1998 FDIQ QRP Symposium will be \$10 if prepaid by May 1, 1998 and \$12 after that date, or at the door. "At the door" registration may be limited if, once again, we sell out. Please register early to guarantee a seat. Registration will cover a full day of QRP Symposium activities, which

include the QRP technical presentations, "Six-Pack" printed circuit board kit, those famous "special" Symposium bag stuffers and an endless QRO coffee pot. The \$10 registration fee also includes a complimentary copy of the FDIM 98 QRP Symposium Proceedings.

Please send your \$10 registration fee (US check, money order, international money order) made out to "QRP ARCI" and a SASE by May 1, 1998 to: Cam Bailey KT3A, FDIM Symposium Registration at PO Box 173, Mt. Wolf, PA 17347 or E-mail: kt3a@juno.com for information.

- QRP-ARCI AWARDS BANQUET - This not-to-be-missed Friday May 15, 1998 event is being hosted by FDIM Banquet Chairperson - Scott Rosenfeld NF3I. Please send your \$22 banquet ticket fee (US check, money order, international money order) made out to "QRP ARCI" by May 1, 1998 to: Scott Rosenfeld NF3I, QRP ARCI Banquet Tickets at 4015 Sparrow House Lane, Burtonsville, MD 20866-1333 or Email: ham@w3eax.umd.edu for information.

- FDIM QRP VENDOR SOCIAL - A tradition was started at FDIM 96 - a special evening was set aside to officially introduce our QRP Vendors from around the world. All are invited to attend this wonderful Friday, May 15, 1997 evening social. Jim Stafford, W4QO, QRP ARCI Vice President, will be the gracious host this year. QRP Vendors - for registration information please contact Jim Stafford W4QO, QRP Vendor Evening Chairperson, at 11395 West Road, Rosewell, GA 30075 or via Email: w4qo@amsat.org

- QRP ARCI FDIM HEADQUARTERS - The Days Inn Dayton South will be the 1998 FDIM QRP headquarters. QRP ARCI has secured a special block of rooms for our QRP guests. Please contact Hank Kohl K8DD (email: k8dd@tir.com) regarding availability of rooms. Hank's address is 1640 Henry St., Port Huron, MI 48060.

On behalf of the QRP ARCI team we invite you all to join us for the QRP Event of 1998 - the "Four Days In May" 98 QRP Conference at the 1998 Dayton Hamvention. See you all there and best of 73/72. Bob Gobrick N0EB, FDIM 98 Publicity Chairperson. Email: rgobrick@worldnet.att.net

Bob Gobrick - N0EB Stillwater, MN
Internet: rgobrick@att.net

Date: Sat, 04 Apr 1998 17:05:26 -0800
From: "Russell W. white" <ruswhite@netzone.com>

To: qrp-1@Lehigh.EDU
Cc: azqrp@user1.dancris.com
Subject: [7569] ScQRPion meeting and Hamfest at devry
Message-ID: <3.0.3.32.19980404170526.007ba930@pop.netzone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Another enjoyable Arizona ScQRPions meeting took place today at the Luby's restaurant located about one hundred feet from the Ham radio Outlet here in Phoenix, Az.

33 34' 02"N 112 06' 08"W

There were a few new faces added to the regulars and many show-and-tell items. This is not connected with the ScQRPions, but, It was mentioned that: The Arizona Amateur Radio Club presents it's sixth annual HAM-FEST to be held on Saturday April 18, 1998 from 0600 to 1400 at Devry. (south parking lot)

33 33' 56"N 112 06' 17"W

2149 W Dunlap ave. Phoenix, Az (East of I17 about half-way to HRO turn south on 22 Ave).

\$1.00 admission includes hourly prize ticket. \$5 to tailgate.

talk-in 147.280+

Russell W White AB7JX 33 39 12N 112 05 03W

"We are what we repeatedly do. Excellence, then, is not an act, but a habit." -- Aristotle

"If you always do what you've always done, then you'll always get what you always got." -- Moms Mabley

Date: Sat, 04 Apr 1998 17:17:01 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-1@Lehigh.EDU
Subject: [7570] Dayton Hamvention Rooms
Message-ID: <3.0.1.32.19980404171701.006af668@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dayton Hamvention Room List.

The list is nearing completion!

The following are going to be dropped from the room list due to no reply from either e-mail or US Mail:

WB8VGE
N9YAI
KG8OK
W6TOY
THOMAS, PETER
YOUNG, PAUL
WB6PBM

There are 8 rooms available and 9 rooms on the standby list. In 7 days there will be 4 or 5 rooms available when the list above is dropped and the standby list is in rooms.

I am still adding to the standby list. The rooms are \$71 per night plus tax.

73 Hank K8DD

Date: Sat, 4 Apr 1998 16:34:49 -0800 (PST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: we6w@qsl.net
Cc: timcook@erinet.com, qrp-1@Lehigh.EDU
Subject: [7571] Re: [7422] Re: WTB: Ant Tuner
Message-ID: <199804050034.QAA24169@netcom8.netcom.com>

Date: Thu, 02 Apr 1998 15:49:28 +0000
From: Ed Loranger <we6w@qsl.net>

I was looking through the 1977 Amateur Radio Handbook lastnight.

It's also in the 1978 Handbook, but not the 1976 or 1980.

Anyway, there is a very interesting 'One Band' tuner. You only tune ONE knob. The knob/Shaft control two hand-wound, 6-turn coils in/out of phase with the fixed outer coils. Neat stuff.

Check it out. It is in the chapter just prior to 'HF Antennas'.

The name of the chapter is "Transmission Lines".

73, doug

Date: Sat, 04 Apr 1998 18:49:24 -0600
From: Roy Jackson <rjackson@iname.com>
To: qrp-l@Lehigh.EDU
Subject: [7572] CW sigs
Message-ID: <3.0.5.32.19980404184924.007a56f0@mail.netnitco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I picked up a very clean Ten Tec Century 21 at our local hamfest last weekend. I finally got a chance to connect it to an antenna today. It makes noise on receive and seems to put out about 35 watts on transmit. It is my first experience with a DC receiver, though. How does one know when he has a signal tuned on the correct side of zero beat? Thanks in advance.

73, Roy N9RG

Roy G. Jackson Michigan City, Indiana
rjackson@iname.com (home address)
hcd46@sys1.bsco.com (work address)

Date: Sat, 04 Apr 1998 20:54:36 -0500
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: RangerSF5@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [7573] Re: Radio Shack Speaker Mic
Message-ID: <3.0.1.16.19980404205436.3137b554@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

At 02:08 PM 4/4/98 -0500, you wrote:

>I just returned from the local RS store and picked up a speaker mic on sale
>for \$9.97.

>When the girl scanned the card she told me they are on sale for \$2.97

>So if you need a speaker mic, get them while they still have them

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
http://www.qsl.net/k6ls
http://www.prolynx.com/k6ls
DM79oq, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
QRP-L #612 NorCal #824
CQC #471 ARCI #8866
WSWSS #148

Date: Sat, 4 Apr 1998 18:43:30 -8
From: "Dan Hogan" <dhhogan@concentric.net>
To: qrp-l@Lehigh.EDU
Subject: [7575] SECA Slar reports
Message-ID: <199804050240.VAA07231@cliff.concentric.net>

Any one have the server address for SESC <sel@sec.noaa.gov>, the
solar reorts? I have to change ISP's and need to unsubscribe.

Dan Hogan WA6PBY
ARRL-VE*QRP-L*QRP-ARCI*NorCal*CQC*Fists*G-QRP*ARS*

Date: Sat, 04 Apr 1998 19:44:47 -0700
From: "Karl B. Staddon" <ve6kbs@AGT.NET>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7576] Yeasu FT-847 Running QRP
Message-ID: <3526F01F.4783@agt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

According to my OHR WM-2 the new FT-847 runs qrp on 80/40/20/15/10
putting out power of 2.1/2.0/1.8/1.6/1.8 watts, respectively, using the
lowest power setting. The rig is not modified in any way to achieve qrp
output - results are based on the rig as it came from the factory. I
didn't test the other bands.

Cheers de VE6KBS, KARL, CALGARY, AB

Date: Wed, 04 Mar 1998 18:49:46 -0800
From: Chuck and Michele Snyder <csnyder@nextdim.com>
To: jokortge@mci2000.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7577] Re: Radio Shack Speaker Mic
Message-ID: <34FE12CA.4B691B1@nextdim.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim Kortge, K8IQY wrote:

> At 02:08 PM 4/4/98 -0500, you wrote:
> >I just returned from the local RS store and picked up a speaker mic on sale
> >for \$9.97.
> >When the girl scanned the card she told me they are on sale for \$2.97
> >So if you need a speaker mic, get them while they still have them
>

Jim, What exactly is this 2-meter brick you are referring to. Have an ICOM 32AT and I have the RS speaker mic (sounds great too!). But, I know not what this brick thing is about. Enlighten me...please.

--

Chuck Snyder 73s de KD7BBF
<http://www.nextdim.com/users/csnyder/index.htm>
QRP-L #1462
Spokane, WA

> The local RS also has their 2 meter brick with pre-amp on sale
> for half off. Current price is 49.95. Probably a good deal
> at that price for a 30 watt brick to make your HT into a QRO rig. :-)
>

> #Std Disclaimer

>
> 72....Jim
>

> Jim Kortge, K8IQY (ex NU8N) | NorCal, QRP-L
> jokortge@mci2000.com | __o H.F. bicycle mobile
> Fenton, MI | _`<, Mizuho 17/40 SSB
> (*)/(*)
> NorCal 38S/30 Log - 34 States; 40 Countries - Running 3 watts
> Most recent - Iowa Mauritius
>
> NorCal 38S/17 Log - 22 States; 51 Countries - Running 1.5 watts
> Most recent - Alaska Ecuador

Date: Sat, 4 Apr 1998 22:03:38 -0600
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [7578] century 21
Message-ID: <199804050403.UAA15113@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

Roy

Pushing the zero beat button in defeats the offset control and lets you set the xtmr exactly on the received stations freq. Tune the incoming sig to zero beat while depressing the zero beat button. The sig should be heard on both sides of this setting, rising in pitch as you proceed further away. Releasing the button, the sig can then be set for the most pleasing pitch with the offset control. Hope this helps.
larry ac5ez

Date: Sat, 04 Apr 1998 21:39:17 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7579] B&W folded dipole
Message-ID: <35271905.536ACC0A@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Here's a question for the antenna gurus:

I was looking at the B&W wideband folded dipole on their web site at

<http://www.bwantennas.com/fDIPOLE.HTM>

This antenna apparently has some sort of resistor in the upper module which smooths out SWR variations; I'm not exactly sure how or how well it works. However, what interested me was the following claim that they made for the antenna:

"The fact that this antenna is folded over on itself gives the advantage of EMI rejection far greater than that of a random wire or a conventional dipole, making receive mode extra quiet."

Is a folded dipole any quieter than an ordinary dipole? If so, why?

Vic K2VCO

Date: Sat, 04 Apr 1998 23:50:28 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: rakefet@rakefet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7580] Re: B&W folded dipole
Message-ID: <35271BA3.EA4CBC35@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hardly . . .

> "The fact that this antenna is folded over on itself gives the advantage of EMI
> rejection far
> greater than that of a random wire or a conventional dipole, making receive mode
> extra quiet."
>
> Is a folded dipole any quieter than an ordinary dipole? If so, why?
>
> Vic K2VCO

--
72/73, George
Amateur Radio W5YR (since 1946)
QRP-L #1373 QRP ARCI #9583
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Sun, 05 Apr 1998 01:23:14 -0500
From: Ed Tanton <n4xy@att.net>
To: rakefet@rakefet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7581] Re: B&W folded dipole
Message-ID: <3.0.5.32.19980405012314.00b5bcb0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Vic... I can tell you right now you're going to get an earful... and in large part, you're going to be told that the antenna doesn't work well because of that lossy resistor/whatever, etc. etc. MOST of the people who are going to tell you that do not own one of the B&W antennas. Some have who did not-for a variety of reasons-like the antenna... but there aren't that many of those.

I have had 2... one several years ago, and one now: the stainless steel BWDS-1.8-30... it isn't up YET since I have had a slew of mostly minor health problems since Christmas. I really liked my old one... finding it to work quite well-even with that nasty old resistor absorbing all that power. The ONLY reason I took it down was that I was into RTTY and QRO, and kept burning up the resistor. While I don't understand all that heavy antenna theory, if it works, I don't much care either-I just want to use the best antenna I can for the job and the money. Even 15 feet lower, even with that resistor, my B & W was as good or better than the G5RV that replaced it. It consistently got stateside and European complimentary remarks on 40M & 80M about what a good signal I had. It WAS quieter than the G5RV-although for the life of me I cannot explain that! (The smart alecs say it's the resistor simply ABSORBING the signals. WRONG!)

There seems to be a bunch of so-called experts around who always are ready to tell you why an antenna they have never tried doesn't work. I went through this with my GAP DX Voyager. It works as well as a shunt-fed 70 ft tower on 160M and that's almost as well as any compromise antenna could work. Same is true with the B&W. I imagine that a full size dipole at least a half wavelength above the ground would be better on the frequency it was resonant. I doubt a lot better, foot for foot above ground (being equal I mean.) I doubt much more than a dB better... and as you know: a dB is the least amount of change that the avg person can hear. BUT... even if it was a dB or 2 better, that leaves you needing 5 or 6 more antennas just like it to continue having that advantage on each band. That's a LOT of antennas... and a LOT of real estate... and a lot of well-placed trees or whatever to hold them all up.

So here you have ONE antenna that sure works well enough for me, that covers 1.8 MHz through 30 MHz, continuously, with reasonable SWR throughout

Date: Sun, 05 Apr 1998 00:55:45 -0700
From: "Phil, K6LS" <k6ls@prolynx.com>
To: CQC <CQC@MTECHNOLOGIES.COM>, qrp-1 <qrp-1@Lehigh.EDU>, vhf
<vhf@w6yx.stanford.edu>
Subject: [7583] It's that time of year again
Message-ID: <35273901.557C1739@prolynx.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, it's me again, with the traditional reminder that us folks
unfortunate to have to deal with Day Light Savings....

time to set your clocks AHEAD one hour.

as of 0200 (I think it is 0200 YOUR time) sunday morning.

(You can think of it as a time warp if you want ;-)

That's "Spring AHEAD, Fall BACK".

Please no tread about the pro's and con's of said daylight savings.

If I had things my way, we'd ALL be on UTC or fixed time.

If your lucky (?), you are at work when the change happens, and get
paid for the 'time warp' ;-)

good day,

73 de K6LS

Date: Sun, 05 Apr 1998 03:42:11 -0500
From: peacemkr <peacemkr@wcc.net>
To: k6ls@prolynx.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7584] Re: It's that time of year again
Message-ID: <352743E3.A22ED874@wcc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Phil,

I hav an extra hand added to my clock which indicates GMT ..so I set my cdt hand to 3+ and my gmt hand back to 20+ correct?

Phil, K6LS wrote:

>

> Yes, it's me again, with the traditional reminder that us folks

> unfortunate to have to deal with Day Light Savings....

73's & GB

de

KA50AI

QRP-L #1505

<http://www.wcc.net/~peacemkr>

Date: Sun, 05 Apr 1998 01:59:35 -0700

From: "Phil, K6LS" <k6ls@prolynx.com>

To: CQC <CQC@MTECHNOLOGIES.COM>, qrp-l <qrp-l@Lehigh.EDU>, vhf
<vhf@w6yx.stanford.edu>

Subject: [7585] Re: It's that time of year again

Message-ID: <352747F6.21B981AA@prolynx.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

oops, almost forgot, it's been so long since the last time...

While changing your clocks forward (LOCAL TIME ONLY, NOT UTC)

remember the time sensitive programs that you have.

(The ones that generate UTC based upon your computer clock)

IF you don't correct the UTC/LOCAL offset, you could work DX

that you may never get a QSL from, due to the wrong time on your QSL.

You could miss several(all?) passes of your favorite satellite(s).

and so on, check your computer!

regards, k6ls

Date: Sun, 5 Apr 1998 03:00:08 -0600 (MDT)

From: Paul Harden <pharden@aoc.nrao.edu>

To: peacemkr <peacemkr@wcc.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7586] Re: It's that time of year again
Message-ID: <Pine.SOL.3.91.980405014921.3918B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Heck ... I've been on quasi-savings time since this afternoon.
Every year, my wife seems to set the clocks forward or backwards
(after a lengthy discussion on which way) before dinner so she won't
forget. This of course gives her reason to chew me out for being
an hour late for dinner! Why spoil her fun? I tried explaining that
1998, being an "even El Nino year" means you set the clocks ahead
two hours, but she didn't buy that one.

So what does this have to do with QRP? I haven't a clue. Something
for us "night owls" to discuss I guess :-)

Since it 0200 and legally the jump in time ... with my luck, I just
got charged an extra hour of connect time for sending this.

GN/GM/G-whatever, Paul NA5N

Date: Sun, 5 Apr 1998 07:27:39 -0600
From: "Steve Galchutt" <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [7587] Bullet Hole?
Message-ID: <003a01bd6096\$adb4a560\$36a8a3cc@SG2939M.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Paul ,
Your "Data Book for Homebrewers and Qrpers" was laying on my bench when
notice the bullet hole in the meter face on the Simpson VOM (back cover
photo). Was the meter in error or something?
72...Steve

n0tu - solar powered QRP & wire antennas @ 7,200' ASL
Monument, Colorado - Grid Sq DM79nb
email: n0tu@webaccess.net

Date: Sun, 05 Apr 1998 08:03:11 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [7588] Re: It's that time of year again
Message-ID: <35273ABF.DB3E6122@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Never, never, never, never, mess with UTC. Daylight Savings only affects local time, not UTC.

I keep the main clock in my shack (4.5" numbers) set on UTC. Haven't touched it for years, because there's no need to.

--
72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Sun, 5 Apr 1998 09:06:37 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Roger Hightower <n7kt@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7589] Re: It's that time of year again
Message-ID: <Pine.SOL.3.91.980405090155.21087C-1000000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

We're lucky in Saskatchewan as we never change time...the politicians bring the subject up once a year, knock it around for awhile for a little publicity, then forget about it until the next year...HAR!...so we don't change local time and of course GMT as well...I wouldn't mind going GMT period, everywhere...one less thing for my saturated brain to think about!... HI HI HI....72 - Bruce(VE5RC)

Date: Sun, 05 Apr 1998 08:36:50 -0700
From: Andy Fox <foxes@theriver.com>
To: n7kt@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [7590] Re: It's that time of year again
Message-ID: <3527A512.521B@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roger,

Of course, living in AZ means not having to change your local clock, either. I think there are a couple of counties in IN that don't change, too.

It's still a nuisance, though, since sometimes our clocks are the same as CA, others we're an hour ahead... similar nuisance for all other time zone deltas.

--

72/73 de Andy, KK7HV - QRP-L #1286 - Benson, AZ

Date: Sun, 05 Apr 1998 10:55:11 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: foxes@theriver.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [7591] Re: It's that time of year again
Message-ID: <3527A95F.8F338E18@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Andy Fox wrote:

>
> Of course, living in AZ means not having to change your local clock,
> either. I think there are a couple of counties in IN that don't change,
> too.

One nice thing about Windows 95 is that it keeps track of time changes for you. Woke up this morning after forgetting to "spring forward" and the computer did it for me and then asked if it was okay.

73 de Dave, N0IT

Date: Sun, 5 Apr 1998 16:28:44 +0100

From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <sjolin@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [7592] Re: It's that time of year again
Message-ID: <007301bd60a7\$866ae800\$c142b3c7@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

How can we spend so much time talking about NOTHING. Oh, well, another
email filter added.
de Steve

Date: Sun, 5 Apr 1998 11:36:15 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [7593] contest hours
Message-ID: <199804051636.JAA13009@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

Its been very interesting to hear all the comments about changing the
hours etc. I do enjoy the contests but realize that with my set up and
interest level that I am never going to place high. But thats ok, its a
fun activity .
Larry ac5ez

Date: Sun, 5 Apr 1998 10:52:43 -0600
From: "James R. Duffey" <ji3m@maxwell.com>
To: qrp-1@Lehigh.EDU
Subject: [7594] Spring Antenna Projects
Message-ID: <v03007812b14d5ddb53a7@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It is spring and a ham's fancy turns to antennas. Spring is a good time for antenna work and I thought I would suggest a few simple projects that you may wish to undertake to improve your signal.

0. Read L. B. Cebik's Web Page on antennas;

<http://funnelweb.utcc.utk.edu/~cebik/radio.html>

1. Replace your feedline with something that has lower loss;

a) replace RG174 with RG58

b) replace RG58 with RG213

2. Make your single band antenna into a multiband antenna;

a) add parallel dipoles to an existing dipole. Parallel 20 M and 10 M dipoles to your 40 M dipole. Keep the ends well separated to prevent interaction, preferably by dropping the last foot or so of the 20 M and 10 M dipoles down perpendicular to the antenna.

b) Replace your coax feedline with twin lead. If you don't have a tuner, use the famous Cecil "No Tuner" match technique;

<http://people.delphi.com/cecilmooore/mystery.htm>

\$10 worth of 300 Ohm twinlead and some double bannana plugs or DPDT switches from Radio shack should keep you occupied for hours and hours.

3. Install a choke balun if you don't already use one. This will keep your feedline from radiating which has a lot of benefits. Air core 1:1 "choke" baluns made from coiled coax work fine and are easy to make. The Handbook, as well as the ARRL Antenna Handbook, has designs for these, although better designs as well as a better understanding of how they work can be found at;

<http://www.berkshire.net/~robbins/technote/airbalun.html>

4. For you vertical owners;

a) Install a choke balun to reduce feedline radiation. See 3).

b) Install more radials.

c) If the vertical is ground mounted you may have better luck with it elevated a bit. Put it on top of your roof, or mount it on a fence.

5. Build a 2 M ground plane to improve your Handie-Talkie coverage over that of the rubber duckie. An S0-239 connector from Radio Shack, and 10 feet of 10 or 12 gauge household wire from Home Depot will improve your signal immensely. Mount it outside if possible.

6. If you constantly work in a specific direction, consider putting up a fixed gain antenna in that direction. If you like to work Europe in the morning put up a fixed Yagi from wire in that direction, or if you like to work the South Pacific in the evening put up a fixed Yagi in that direction. A fixed 10 M beam to South America and the Carribean will work a lot of DX, particularly during an contest. Also if you work a sked, such as mine with my dad, WA00ML, you may wish to erect a fixed beam in that direction. Two element Yagis can be built simply, have reasonable gain, 4 dB, and good front to back ratio to get rid of QRM.

7. Install an antenna for bands you don't work much. With the solar flux on the rise, put up antennas for 12 M and 10 M.

8. Be a contrarian. See how the other half lives. If you use a dipole, install a vertical, if you use a vertical install a dipole. If you use resonant antennas, install a tuned feeder system. If you use tuned feeders build parallel dipoles.

9. Just for kicks install and optimize an indoor antenna system. Next winter when the ice and snow takes down your antenna you can still get on the air.

I am sure you can think of other projects. Now is the time to do it.
October will be too late. - Duffey Kk6MC/5

James R. Duffey KK6MC/5 DM65 <jamesd1@flash.net>
30 Casa Loma Road
Cedar Crest NM 87008

Date: Sun, 05 Apr 1998 14:01:02 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [7595] For Sale: Kenwood R-2000 RCVR
Message-ID: <3.0.5.32.19980405140102.00921a10@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For Sale: Kenwood R-2000 rcvr in very good condition.
AES USED price: \$450-\$560... my price: \$325 shipped CONUS

Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		QRP to 150W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Sun, 5 Apr 1998 12:59:32 -0600
From: "Marshall Emm" <mgemm@ntechnologies.com>
To: "Steve Galchutt" <n0tu@webaccess.net>
Cc: qrp-1@Lehigh.EDU
Subject: [7596] Re: Bullet Hole?
Message-ID: <199804051900.NAA01228@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

```
>>face on the Simpson VOM (back cover photo). Was the
meter in error or something? 72...Steve
<<
```

Ask me, the fun of cataloguing the differences between the front and back covers was almost worth the cost of Paul's "Data Book for Homebrewers and QRPers" At one point I think there was going to be some sort of competition to identify them all. Anyhow, the book is a Must Have for any QRPer who owns a soldering iron.

73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, kits, tools...
<http://www.mtechnologies.com>
(303)752-3382

— —

Date: Sun, 5 Apr 1998 16:38:10 EDT
From: K5BDZ <K5BDZ@aol.com>
To: rakefet@rakefet.com, qrp-1@Lehigh.EDU
Subject: [7597] B&W folded dipole -Resistor value
Message-ID: <f8e2606e.3527ebb4@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Resistors on the B&W folded dipole are three (3) 2,700 ohm NONINDUCTIVE high wattage types in Parallel thus making the resistor value approx 900 ohms. For those of you who want to make it homebrew, have at it.
Bill, K5BDZ

Date: Sun, 05 Apr 1998 16:06:54 -0500
From: Mike Souhrada <wb9iog@revealed.net>
To: ji3m@maxwell.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [7598] Re: Spring Antenna Projects
Message-ID: <3527F26E.396C@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

James R. Duffey wrote:

>

> It is spring and a ham's fancy turns to antennas. Spring is a good time for
> antenna work and I thought I would suggest a few simple projects that you
> may wish to undertake to improve your signal.

Jim & the Group

Quite a timely post! Got a vertical to relocate, a new Dentron MLT 2500 to put into service (anyone else have one of these?) with my old style 12 Ga-450 ohm ladder line, and lots of other ideas to try out. Never had a tuner that could handle ladder line looking forward to that a lot.

Even did some testing with a borrowed MFJ 259-so will be looking for one of those at this summer's HF's. An EXTREMELY useful tool-,a bit pricey though for the average ham.

Book review:

In keeping with the idea of antenna mania just picked up from one of the nets

a really super book by Joe Carr
Practical Antenna Handbook- he writes extremely well and the chapter on
Smith
chart looks good enough that I just might understand it finally. Lots of
other
"practical" stuff in the volume also. (going to do something about my
ground
system because of it)
Have a lot of other books by ARRL and SAM but Carr is an excellent
writer.
Its older but if you see one at a HF don't hesitate to get it.
Mike
Le Claire, Ia

Date: Sun, 5 Apr 1998 17:27:08 EDT
From: RangerSF5 <RangerSF5@aol.com>
To: njqrp@njqrp.org, qrp-1@Lehigh.EDU, forsale-swap@qth.net
Subject: [7599] speaker mic from RS/short message
Message-ID: <ce410aa9.3527f72e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang,Just a short note here about the RS speaker mic.
I did not buy a truck load.
Just six of them.
Also I did not buy them to resell at a higher price.
I made the post to help others save a buck.
If someone out there needs one,I have 3 left \$3.00 plus 1st class mail.
Reselling them for \$10.00 as someone suggested I do,to me is not what I
consider (HAMS HELPING HAMS)
However to some the \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ means a lot more
Bob
WA2HOQ

End of QRP-L Digest 1051

